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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO. 8880
10/615,838	07/10/2003	Isao Sendo	030784	
38834 75	590 01/06/2005	EXAMINER		
	N, HATTORI, DANIE	TAPOLCAI, WILLIAM E		
SUITE 700	TICUT AVENUE, NW	ART UNIT	PAPER NUMBER	
WASHINGTO	N, DC 20036		3744	

DATE MAILED: 01/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicati	n No.	Applicant(s)	ON				
Office Action Summary		10/615,838		SENDO ET AL.	O''				
		Examiner		Art Unit					
		William E.		3744					
ــ Period for	The MAILING DATE of this communication ap Reply	opears on the	cover sheet with the c	orrespondence ad	dress				
THE M - Extens after S - If the p - If NO p - Failure Any re	PRTENED STATUTORY PERIOD FOR REPIALLING DATE OF THIS COMMUNICATION sions of time may be available under the provisions of 37 CFR 1 IX (6) MONTHS from the mailing date of this communication. seriod for reply specified above is less than thirty (30) days, a reperiod for reply is specified above, the maximum statutory period to reply within the set or extended period for reply will, by statuply received by the Office later than three months after the mailing patent term adjustment. See 37 CFR 1.704(b).	.136(a). In no ever ply within the statut d will apply and will tte, cause the appli	nt, however, may a reply be tin tory minimum of thirty (30) day expire SIX (6) MONTHS from cation to become ABANDONE	nely filed s will be considered timel the mailing date of this or D (35 U.S.C. § 133).					
Status									
1) 🛛 1	Responsive to communication(s) filed on 10.	December 20	004.						
•									
3)□ ;									
Dispositio	on of Claims			·					
5)	4) Claim(s) 1,3 and 4 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1,3 and 4 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.								
Application	on Papers								
9) 🔲 🛭	The specification is objected to by the Examir	ner.							
10) 🔲 🏾	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
	Applicant may not request that any objection to th	= -							
	Replacement drawing sheet(s) including the corre The oath or declaration is objected to by the I								
Priority u	nder 35 U.S.C. § 119								
12)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure ee the attached detailed Office action for a list	nts have been nts have been iority docume eau (PCT Rule	n received. n received in Applicat ents have been receiv e 17.2(a)).	ion No ed in this National	Stage				
Attachment				(DTD 445)					
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)		4) Interview Summary Paper No(s)/Mail D						
3) Inform	nation Disclosure Statement(s) (PTO-1449 or PTO/SB/0 No(s)/Mail Date	98)	5) Notice of Informal (6) Other:		0-152)				

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Art Unit: 3744

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1, 3, and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kawasaki et al. Kawasaki et al discloses the claimed invention, including the center disk 35 of the power element being in abutment with an inner wall of the housing 34. However, Kawasaki et al does not disclose the recited limitation of the flow rate corresponding to a tonnage set as a capacity which can pass a maximum flow rate. The setting of the flow rate of the refrigerant flowing through the valve is considered to be a matter of obvious choice to one of ordinary skill in expansion valves. No criticality or unexpected results are seen or have been demonstrated for the flow rate corresponding to a set tonnage. Furthermore, one of ordinary skill in expansion valves would be able to correspond the flow rate as needed or desired.
- 3. Applicant's arguments filed December 10, 2004 have been fully considered but they are not persuasive. The center disk in Kawasaki et al is clearly shown as abutting an inner wall of the housing.
- 4. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

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mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William E. Tapolcai whose telephone number is (703) 308-2640. The examiner can normally be reached on Mon. - Thurs., 6:30 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Denise L. Esquivel can be reached on (703) 308-2597. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> William E/Tapolcai Primary Examiner Art Unit 3744

wet January 4, 2005